



AMX

Secure, Smart Multi-User
KVM Switching

For years Avocent has built **KVM switching solutions** that help many of the world's most successful companies reduce the complexities of growing IT infrastructures. Avocent's field proven KVM switching and connectivity solutions provide **smarter** access and **simpler** manageability for "real world" IT environments. Our advanced KVM switching technologies continue to provide the **solutions** and the reliability you've come to expect from the industry leader.

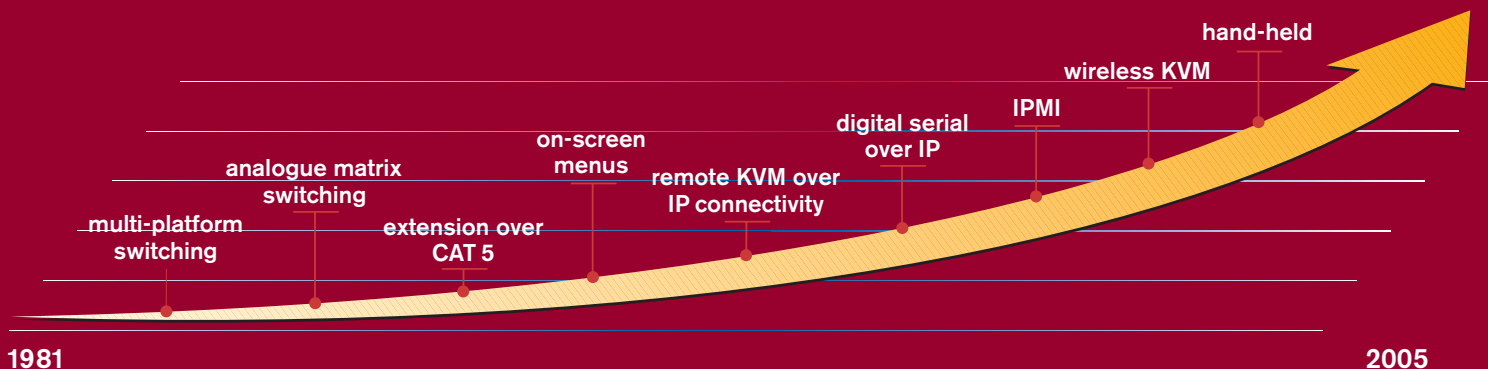
KVM Brief

KVM stands for **K**eyboard, **V**ideo and **M**ouse. A KVM solution allows multiple sets of keyboards, monitors and mice to be replaced with a single set of control peripherals. KVM technology provides easy access and control to any connected device.



OUR HISTORY OF

innovations



The AMX™ advances the Avocent field proven technology and market leadership in analogue matrix design by providing smarter KVM switching solutions. The AMX delivers powerful analogue matrix switching, simple installation and advanced administration tools to help you efficiently manage your IT environment.

The AMX switching solution provides real-time access, high quality video, smart cable management and advanced security for managing IT environments and other diverse applications. The AMX switch has advanced security features, including LDAP authentication and SNMP, enhancing our field-proven technology and market leadership in KVM analogue matrix design. With LDAP authentication, the AMX switch easily integrates with Microsoft Active Directory, RADIUS and other LDAP services and uses the same username and password that exists for each user's normal network authentication. Our enhanced SNMP lets you set up traps in the AMX switch for convenient report alarms to an external logging destination.

Designed to support diverse applications, the AMX switch is the smart KVM solution for demo labs, designer environments and test labs where real-time access and high quality video are critical features. Expanding broadcast environments and leading TV networks, including FOX, ABC and CNBC, also use the AMX KVM switching solution to control access to their machine room computers and broadcast devices.

The AMX switch solution includes the AMX5000 and AMX5010 analogue matrix switches, the AMIQ CAT 5 server interface module, the AMX5110 and AMX5120 user stations and the AMWorks® Java-based system administrative software tool.



SPECIFICATIONS

MECHANICAL	Height	Width	Depth	Weight
AMX5000 Matrix Switch:	1.7" (4.3 cm)	17.2" (43.2 cm)	11.1" (28.1 cm)	9.3 lbs (3.7 kg)
AMX5010 Matrix Switch:	3.4" (8.6 cm)	17.2" (43.2 cm)	11.1" (28.1 cm)	16 lbs (7.27 kg)
AMIQ-PS2 Server Interface Module:	0.8" (2.0 cm)	1.57" (4.0 cm)	14.1" (36.0 cm)	0.8 lbs (0.3 kg)
AMIQ-USB Server Interface Module:	0.8" (2.0 cm)	2.4" (6.1 cm)	14.1" (36.0 cm)	0.8 lbs (0.3 kg)
AMIQ-VSN Server Interface Module:	0.8" (2.0 cm)	2.4" (6.1 cm)	14.1" (36.0 cm)	0.8 lbs (0.3 kg)
AMX5110 & AMX5120 User Stations:	1.74" (4.4 cm)	10.9" (27.9 cm)	11.5" (29.2 cm)	5 lbs (2.0 kg)

ENVIRONMENTAL / POWER / HARDWARE

Operating Temperature	32° (0°C) to 122° (50°C)
Storage Temperature	-4° (-20°C) to 122° (50°C)
Power Requirements	100 - 240 VAC, 50 - 60 Hz
Supported Hardware - Computer	AMIQ-PS2 Cable Interface: IBM PC/AT, PS/2 and 100% compatibles
Supported Hardware - Video Modes	VGA, SVGA, XGA, SXGA, up to 1600 x 1200 @ 75 Hz resolution
Supported Hardware - Peripherals	AMX5110 & AMX5120 User Stations: PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only), Sun Type 5 and Type 6
Supported Cable Types	Unshielded twisted pair, including CAT 5, CAT 5e, CAT 6
Warranty	Two Years

ORDERING INFORMATION

AMX5000-EU	8 output ports, 32 input ports, rack mount switch
AMX5010-EU	16 output ports, 64 input ports, rack mount switch
AMIQ-PS2	Server Interface Module, VGA, PS/2 keyboard, PS/2 mouse
AMIQ-USB	Server Interface Module, USB keyboard/mouse
AMIQ-VSN	Server Interface Module, VGA or 13W3, Sun keyboard/mouse
AMIQ-SRL	Server Interface Module, VT100 serial-based devices
AMX5110-EU	Single user, CAT 5 connection, desktop user station with local PC port, no skew
AMX5120-EU	Single user, CAT 5 connection, desktop user station with local PC port
AMWorks	System administration software included
UPD-EU	Power supply for serial IQ required

flexible

SWITCHING SOLUTIONS



AMX5000, AMX5010, AMIQ & AMWorks



Built on the Avocent superior analogue switching technology, the AMX5000 and AMX5010 matrix switches simplify management in evolving server installations. The AMX's highly scalable architecture easily accommodates additional servers and users in growing network infrastructures. This matrix switch allows access from a single point or simultaneous access for up to 16 users throughout the data centre.

The AMIQ enhanced CAT 5 server interface module is the best choice for flexibility and performance in complex IT environments. Our CAT 5 design and video technology eliminates bulky cabling connections and delivers real-time, high bandwidth video for KVM switching up to 300 metres away from the server. The AMIQ's built-in memory eases configuration by assigning and retaining unique server identification codes for each attached server. This cable intelligence enhances security and prevents unauthorised access to a server through cable manipulation.

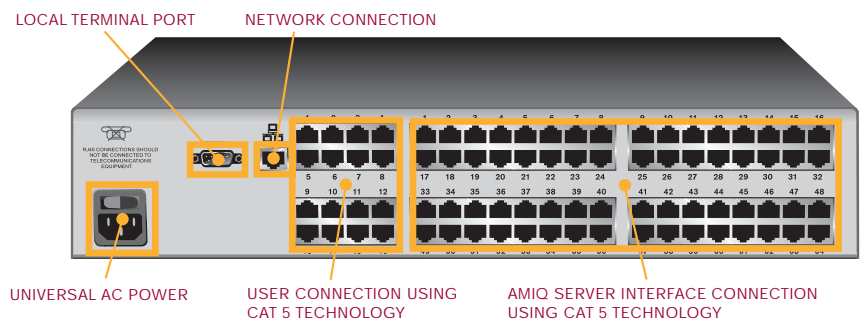
AMX features our patented OSCAR® on-screen management tool, which lets you conveniently switch between connected devices. If you require centralised administration of the AMX, AMWorks management software is included free with each switch. AMWorks software supports customised user profiles and multi-level security. AMWorks software allows you to build a user database with assigned access and password protection for each server.

You can view all activities that take place on the KVM system, including user login, switches made to servers and changes made to the system connections or setup. The database is centrally stored and can be downloaded to the switch via the network connection port available on all AMX5000 and AMX5010 units.



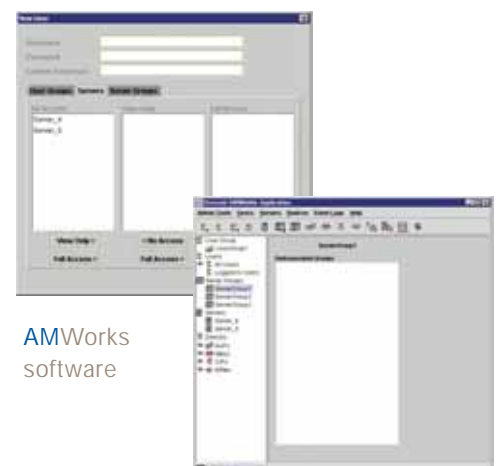
Avocent advanced AMX switching solution provides the best combination of flexibility and optimal performance for today's growing IT installations, security-driven environments and diverse applications.

RELIABLE TECHNOLOGY, ADVANCED DESIGN



FEATURES & BENEFITS

- Access – Full non-blocked access for AMX5000 and AMX5010 switches
- Expandability/Scalability – Architecture makes it easy to add and support more servers
- Connectivity – End-to-end UTP cable, including CAT 5, CAT 5e, CAT 6
- AMIQ Server Interface Module – Assigns and stores unique server identification code for easier configuration and enhanced security
- Multi-platform – PS/2, USB, Sun server support and VT100 serial-based devices
- LDAP authentication – Authenticates against existing username/password database
- Enhanced SNMP – Sets up traps and sends alarms
- Broadcast Support – Access as securely located computers from any user environment, including the user's desk
- Flash Upgrade – Simultaneously applies flash updates for all connected firmware
- AMWorks – Easier management with our advanced software
- Event Log – AMWorks tool maintains a record of user logins and switching activity



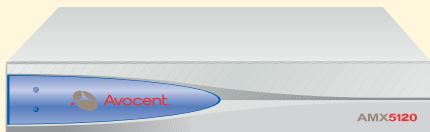
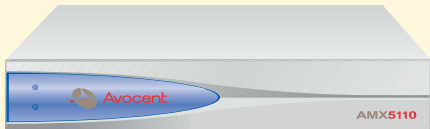
AMWorks
software

simpler

SWITCHING SOLUTIONS



AMX5110 & AMX5120



The AMX5110 and AMX5120 user stations simplify access at the desk by increasing user control and delivering optimal real-time video to the user's desk. The AMX5120 provides access from the desk to one matrix switch and one local computer. The user stations connect to the user's multi-platform KVM peripherals and sends the KVM signals over an industry standard UTP cable to Avocent's AMX5000 and AMX5010 analogue matrix switches. This UTP connectivity and analogue switching technology provide multi-user access and control to any server in your network. The user stations' design automatically compensates for varying cable types and lengths and adjusts for signal losses each time a switch is made to the server.

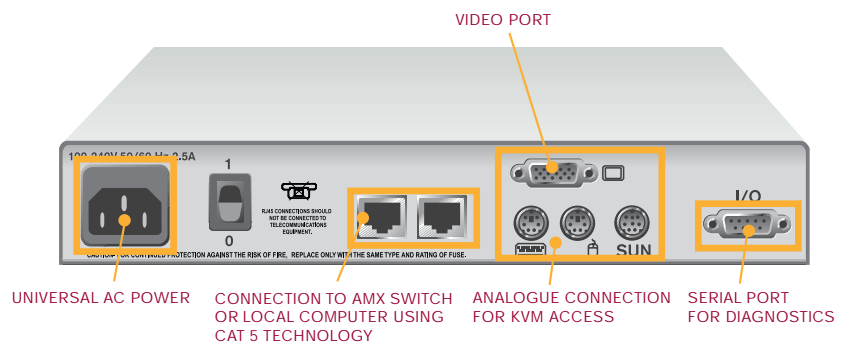
The user stations work with our patented OSCAR interface. This interface uses multi-lingual, intuitive menus for point and click system configuration and server selection. This full system management tool supports switching in share, private and scan modes.





The AMX switching solution's real-time access and high quality video are major benefits in IT environments, demo labs and expanding broadcast environments.

MAXIMUM PERFORMANCE FOR "REAL WORLD" SOLUTIONS



FEATURES & BENEFITS

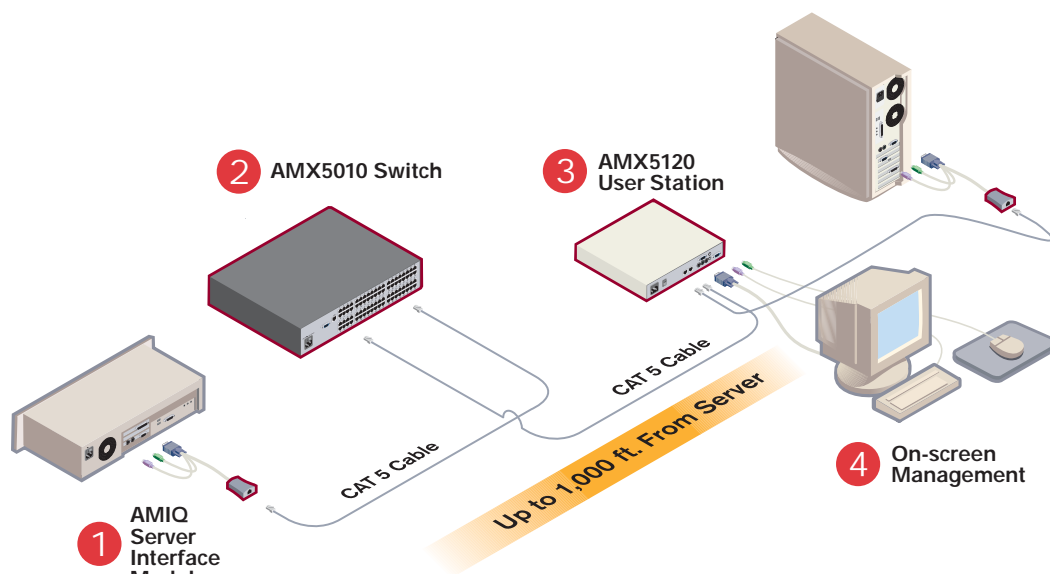
- Video Display – Optimal video resolutions up to 1280 x 1024 at 300 Metres
- Connectivity – End-to-end UTP cable, including CAT 5, CAT 5e, CAT 6
- Compact Design – Doubles as a monitor stand with zero footprint on the desk
- Multi-platform – Supports PS/2, Sun and USB peripherals
- On-screen Management – Point and click intuitive menus with multi-lingual support
- Flash Upgrade – Simultaneously applies flash updates for all connected firmware
- High Quality Video – Automatically compensates for varying cable types and lengths and adjusts for signal losses each time a switch is made to a server
- Local PC Access – User stations allow a local computer to be used for the same AMX user interface



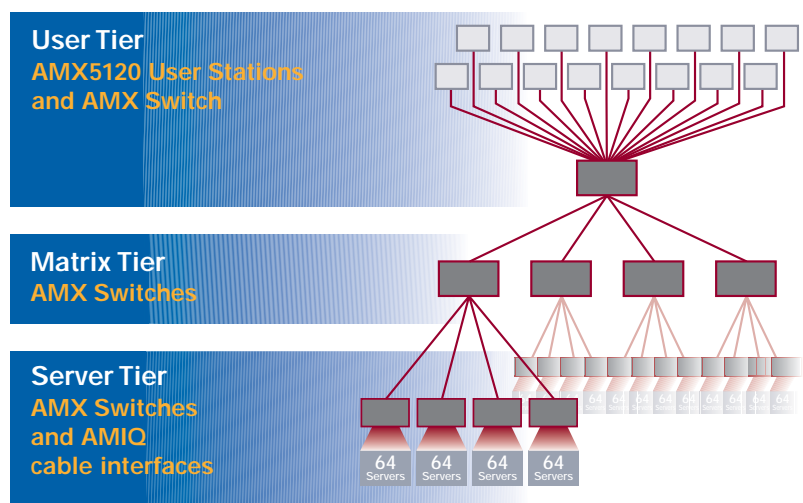
OSCAR Interface

easy INSTALLATION

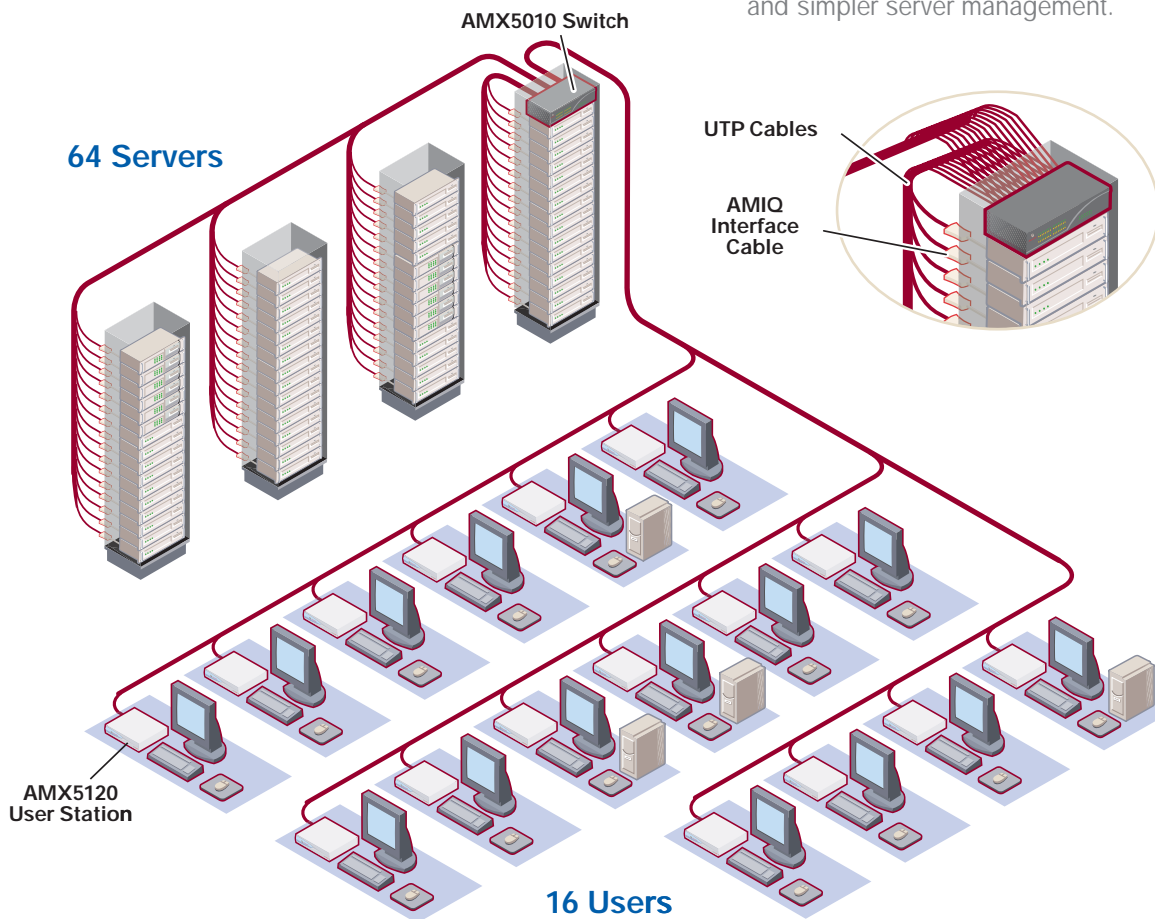
1. Connect the **AMIQ CAT 5 server interface module** to the appropriate ports on the target **server**.
2. Connect the **AMIQ CAT5 cable interface** to one of the 64 server ports on the rear of **AMX5010 matrix switch** using CAT 5 cabling.
3. Connect the **AMX5010 matrix switch** to the user connection on the rear of **AMX5120 user station** using CAT 5 cabling.
4. Connect the **user's KVM peripherals** to the KVM ports on the rear of the **AMX5120 user station**.



Expand above 64 servers by tiering AMX appliances using standard UTP connections. With tiering, it is possible to expand to as many as 4,096 servers.



Our reliable, proven technologies deliver real-time access, high quality and simpler server management.



- END-TO-END CAT 5 CONNECTIONS
- MULTI-USER, MULTI-RACK, MULTI-PLATFORM ACCESS
- REDUCED CABLE BULK
- REAL-TIME, HIGH BANDWIDTH VIDEO
- PATENTED ON-SCREEN MANAGEMENT
- CONVENIENT SYSTEM ADMINISTRATION
- EASY INSTALLATION
- EASILY EXPANDS

simple
EXPANDABILITY

Avocent International Ltd
Avocent House
Shannon Free Zone
Shannon, Co. Clare
Ireland
Tel: +353 (0) 61 471 877
Fax: +353 (0) 61 471 871
www.avocent-europe.com

Avocent International Ltd
Building A
Trinity Court
Wokingham Road
Bracknell
Berks RG42 1PL
UK
Tel: +44 (0) 1344 668 049
Fax: +44 (0) 1344 668 149
www.avocent.co.uk

Avocent International Ltd
Gottlieb-Daimler-Straße 2-4
33803 Steinhagen
Germany
Tel: +49 (0) 52 04 - 91 34 0
Fax: +49 (0) 52 04 - 91 34 99
www.avocent.de

Avocent International Ltd
Brainpark II
Lichtenauerlaan 102-120
3062 ME Rotterdam
The Netherlands
Tel: +31 (0) 10 204 5700
Fax: +31 (0) 10 204 5867
www.avocent.nl

Avocent International Ltd
10-12, avenue de l'Arche
Faubourg de l'Arche
92419 Courbevoie Cedex
France
Tel: +33 (0) 1 46 91 11 00
Fax: +33 (0) 1 46 91 15 20
www.avocent.fr

Avocent International Ltd
Box 10026
SE 121 26
Stockholm – Globen
Sweden
Tel: +46 (0) 855 672 672
Fax: +46 (0) 855 672 671
www.avocent.se

Avocent International Ltd
Bohnackerstrasse 20b
8309 Breite-Nürens Dorf
Switzerland
Tel: +41 (0) 1 836 37 50
Fax: +41 (0) 1 836 37 41
www.avocent.ch

Avocent International Ltd
Pza Spotorno 3
20159 Milano
Italy
Tel: +39 338 3189340
Fax: +39 02 8907 6456
www.avocent.it

Avocent International Ltd
POB 69
02201
Finland
Tel: +358 (0) 9 43921400
Fax: +358 (0) 9 5021330

Avocent International Ltd
Pegasus Park
Pegasuslaan 5
1831 Diegem
Brussels, Belgium
Tel: +32 2 709 2929
Fax: +32 2 709 2222
www.avocent.be

Avocent International Ltd
Spain & Portugal
C/ Río Guadarrama, 2
28939 Arroyomolinos
Madrid
Spain
Tel: +34 610 29 95 73

Avocent International Ltd
Regus Business Centre,
Smolensky Passage
Smolenskaya Square 3
Moscow 121099
Russia
Tel: +7 (095) 937 8429
Fax: +7 (095) 937 8290
www.avocent.ru